

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 000002		3. EFFECTIVE DATE 11/05/2009		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY NASA/Goddard Space Flight Center Procurement Operations Division Greenbelt MD 20771		7. ADMINISTERED BY (If other than Item 6) NASA/Goddard Space Flight Center Procurement Operations Division Greenbelt MD 20771	
CODE		GSFC		CODE GSFC	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. NNG09283260R		9B. DATED (SEE ITEM 11) 10/16/2009	
		10A. MODIFICATION OF CONTRACT/ORDER NO.		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☒ is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not. ☐ is required to sign this document and return _____ copies to the issuing office.

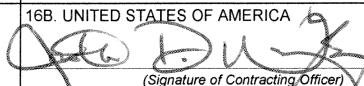
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

INCO TERMS 2: DESTINATION

The purpose of this amendment is to update the following documents:

- 1) Standard Form - 33;
- 2) Request for Proposal - B-M;
- 3) Exhibit L - Past Performance Questionnaire;
- 4) Attachment A - Statement of Work;
- 5) Attachment B - Specifications Requirements Document;
- 6) Attachment D - Contract Data Requirements List;
- 7) Attachment E - Installation Accountable Government Property;
- 8) Attachment O - Key Performance Requirements;
- 9) Enclosure A - Government Surveillance Plan (NEW); CONTINUED

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jonathon D. Wingerberg	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/5/09

- 1) Standard Form 33 has been changed at No.9 to include the due date of November 30, 2009;
- 2) The Request for Proposal is attached in its entirety reflecting the following changes (see underlined text):

- a. The text for CLIN 7 at B.1 "SUPPLIES AND/OR SERVICES TO BE PROVIDED" has been updated as follows:

CLIN	Contract Line Item	Qty	Delivery Date	Reference	Transport Class
7	Space network Ground System Sustainment Spares	<u>As required in CDRL MO-04</u>	Not to exceed five years after contract award	SOW Section 10.6 & <u>CDRL MO-04</u>	I

- b. Within "L.16 PROPOSAL PREPARATION – GENERAL INSTRUCTIONS", the page limitation for "MISSION SUITABILITY VOLUME - a) Technical Approach" has been updated as follows:

Proposal Component	Volume	Reference	Page Limitation
<ul style="list-style-type: none"> • Integrated Master Schedule (PM-03) <ul style="list-style-type: none"> ○ <u>Introduction and Narrative;</u> ○ <u>Microsoft Project 2007 File</u> 			<u>20 Pages;*</u> <u>Unlimited*</u>

- c. Within "L.16 PROPOSAL PREPARATION – GENERAL INSTRUCTIONS", the excluded documents requested in the "MISSION SUITABILITY VOLUME" has been updated as follows:

Proposal Component	Volume	Reference	Page Limitation
c) Cover Page, Small Business Utilization Subfactor, <u>Cross Reference Matrix</u> , Appendix, Deviations and Exceptions			Excluded

- d. Within "L.16 PROPOSAL PREPARATION – GENERAL INSTRUCTIONS", the page limitation for "COST VOLUME - b) Basis of Estimates" has been updated as follows:

Proposal Component	Volume	Reference	Page Limitations
b) Basis of Estimates			<u>4 Pages per WBS Level 4**</u>

- c. The text at "L.22 – (2)(c)" is updated as follows:

(c) CONTRACTOR FISCAL YEAR TO CONTRACT YEAR RATE CONVERSION

- d. The text at "L.22 - (2)(d) BASIS OF ESTIMATES (BOE)" has been updated as follows:

The offeror shall provide a detailed Basis of Estimate (BOE) for the proposed contract costs for the entire contract effort. The BOEs shall be submitted at WBS Level 3 for Ground Segment Management with the exception of 9.1.9 Systems Engineering, and level 4 for all other elements, including 9.1.9 Systems Engineering (or at the lowest level if a WBS element does not go down to WBS Level 4)...

- e. The text at "L.23 – (b) PRIOR CUSTOMER EVALUATIONS (PAST PERFORMANCE QUESTIONNAIRES)" has been updated to include the following text:

This information is excluded from the Past Performance Page count.

- f. Throughout Sections B through K all instances of "end of provision" have been changed to "end of text";

- 3) Exhibit L, "PAST PERFORMANCE QUESTIONNAIRE", has been updated to change the Due Date from "TBD" to "November 30, 2009";

- 4) Attachment A "Statement of Work" is attached in its entirety and reflects the following new text at [SOW 927]:

- a. [SOW 927] The Contractor shall provide source code escrow for all delivered COTS software unless approval has been given by the Government to waive the source escrow requirement for a specific product of delivered COTS software.

- 5) Attachment B "Specifications Requirements Document" is attached in its entirety and reflects the following changes:

- a. Page xiii and the TBR/TBD Table it contained have been removed entirely;
- b. "Table 3.5-2 SN SGL Antenna Sites" has been updated to remove "[TBD-1]" within Note 1;
- c. The requirement at "SGSS.001032 Digitized Downlink Data Time Reference Accuracy" has been updated to the following:

The SNGS shall time reference all digitized downlink data (MA, SSA & KSA) with a timing resolution of 10 nanoseconds or better to the internal Timing and Frequency reference specified in SGSS.005079.

Rationale: Accuracy of 10 nanoseconds or better is required to support multi-TDRS arraying and to support current customer requirements. Accuracy includes timing distribution, residual instantaneous uncertainty between UTC and USNO, and error contribution going through GPS to WSC.

- d. The requirement title at “SGSS.005012 User Selectable FEC Decoding” has been updated to the following:

“SGSS.005012 User Selectable FEC Encoding”

- e. The requirement at “SGSS.005035 Intermediate Frequency Waveform Recording” has been updated to remove all “TBRs”;
- f. The table at “5.2-3 Signal Processing Path Delay and Path Delay Variation Requirements” has been updated to state that the SSA forward and return signal path latencies are only applicable for symbol rates of at least 144ksps;
- g. The requirement text at “SGSS.002098 Return Service Signal Processing Delay” has been updated to the following:

The SNGS shall provide a maximum Return path signal processing delay as given in Table 5.2-3. Return path signal processing delay is defined as the time delay between the time that the leading or trailing edge of any modulated RF signal data symbol is received at the SGL antenna feed and the time that the leading or trailing edge of the corresponding baseband data or clock bit is delivered to the customer data interface.

- h. The requirement text at “SGSS.002099 Return Service Signal Processing Delay Variation” has been updated to the following:

The SNGS shall provide a maximum Return path signal processing delay variation as given in Table 5.2-3. Return path signal processing delay is defined as the time delay between the time that the leading or trailing edge of any modulated RF signal data symbol is received at the SGL antenna feed and the time that the leading or trailing edge of the corresponding baseband data or clock bit is delivered to the customer data interface.

- i. The table at “5.2-6 SGL G/T and Sidelobes” has been updated to remove all “TBRs”;
- j. The requirement at “SGSS.05079 Time and Frequency Reference” has been updated to the following:

The SNGS shall provide each ground terminal with redundant Cesium frequency and time references synchronized to the US Naval Observatory Universal Time Coordinated (UTC) master clock, meeting the performance characteristics necessary to meet the

radiometric, RF, and baseband processing requirements contained elsewhere in this document.

Rationale: The values provided in Table 5.6-1 represent the performance for the existing system and its capabilities. These are provided as guidance in order to meet the radiometric, RF, and baseband processing requirements.

- k. The table at “5.6-1 Frequency Reference Performance Requirements” has been updated to remove all “TBRs”;
- l. The requirement at “SGSS.005083 Timing Synchronization” has been updated as follows:

The SNGS shall synchronize time references to within 10 nanoseconds of the US Naval Observatory master clock.

Rationale: Highly accurate knowledge of the signal timing is needed in some applications.

- m. The requirement text at “SGSS.003536 CxP Command Echo” has been updated to remove “[TBR-1]”;
 - n. The requirement title at “SGSS.004048 SGSS.004057 Telemetry Data Conversion” has been updated to remove the inadvertent reference to “SGSS.004057”;
- 6) Attachment D “Contract Data Requirements List” is attached in its entirety and reflects the following changes:
- a. “Table 4 – SGSS Contract Data Requirements List – Systems Engineering” has been updated to remove “MDR – 3 weeks” within line SE-08;
 - b. CDRL SE-21 at “4.4.21 Make Versus Buy Plan” has been updated to include the following within list “2) The Make vs. Buy Plan shall specifically identify”:

To be delivered COTS software products that do not require source escrow;

- 7) Attachment E “Installation Accountable Government Property” is attached in its entirety and has been updated to include COMSEC;
- 8) Attachment O “Key Performance Requirements” is attached in its entirety and reflects the following changes:
- a. Key Performance Requirement #1 has been updated to change the table for the Positive Fee Metric as follows:

Achieved Proficiency

Positive Fee

Solicitation Number NNG09283260R

Amendment No. 2

Page 6 of 6

0.9998 or greater	100%
0.9996 to <0.9998	75%
0.9994 to <0.9996	50%
0.9991 to <0.9994	25%
Below <u>0.9991</u>	0%

- b. Key Performance Requirement #3 has been updated to reflect the text at SGSS.002096 and SGSS.002098;

- 9) The Government Surveillance Plan is being included as Enclosure A.

All other terms and conditions remain unchanged.